PATENT COOPERATION TR. ATY

	From the INTERNATIONAL BUREAU
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PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202

Date of mailing (day/month/year)

O1 February 2001 (01.02.01)

ETATS-UNIS D'AMERIQUE
in its capacity as elected Office

International application No.
PCT/SE00/01152

International filing date (day/month/year)
O2 June 2000 (02.06.00)

Applicant's or agent's file reference
2001489

Priority date (day/month/year)
O3 June 1999 (03.06.99)

Applicant

SKARPING, Gunnar et al

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	12 December 2000 (12.12.00)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

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International application No.

PCT/SE 00/01152

A. CLASSIFICATION OF SUBJECT MATTER IPC7: G01N 1/22, G01N 1/28 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC7: G01N Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SE.DK.FI.NO classes as above Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Α US 4381408 A (DAVID P. ROUNBEHLER ET AL), 1-17,19-22 26 April 1983 (26.04.83), column 1, line 64 - column 2, line 44 Α US 5242836 A (ALOIS RUSE), 7 Sept 1993 (07.09.93), 1-17,19-22 column 1, line 66 - column 2, line 55 SU 1724305 A1 (AS UKR SURFACE CHEM INST) 18 1992-04-07 (abstract) World Patents Index (online). London, U.K.: Derwent Publications, Ltd. (retrieved on 2000-04-04). Retrieved from: EPO WPI Database. DW199311, Accession No. 1993-091795 Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: "T" later document published after the international filing date or priority document defining the general state of the art which is not considered date and not in conflict with the application but cited to understand the principle or theory underlying the invention to be of particular relevance earlier application or patent but published on or after the international "X" document of particular relevance: the claimed invention cannot be filing date considered novel or cannot be considered to involve an inventive document which may throw doubts on priority claim(s) or which is step when the document is taken alone cited to establish the publication date of another citation or other special reason (as specified) document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination document referring to an oral disclosure, use, exhibition or other being obvious to a person skilled in the art document published prior to the international filing date but later than "&" document member of the same patent family the priority date claimed Date of the actual completion of the international search Date of mailing of the international search report 22 -11- 2000 20 November 2000 Name and mailing address of the ISA/ Authorized officer Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Ulla Granlund/MP Facsimile No. + 46 8 666 02 86 Telephone No. + 46 8 782 25 00

International application No.

PCT/SE 00/01152

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	US 3533750 A (JON W. BELISLE), 13 October 1970 (13.10.70), abstract	18
1		
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	A/210 (continuation of second sheet) (July 1998)	

International application No. PCT/SE00/01152

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This inter	rnational search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. 🗍	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
1	ernational Searching Authority found multiple inventions in this international application, as follows:
366	eatla sueet.
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ı. 🗆	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remar	the on Protest The additional search fees were accompanied by the applicant's protest.
1	No protest accompanied the payment of additional search fees.

International application No. PCT/SE00/01152

The claims relate to one invention according to claims 1-17 and 19-22 and to one invention according to claim 18.

The first invention relates to a sampling device to analyze a substance including both a gas and a particle phase in an air stream, a kit comprising several sampling devices and a method for sampling, employing the sampling device. The special technical features of the invention are an adsorption device, a filter device, a reagent container and a switching device. The adsorption device and the filter device are coated with a mixture of amines and a carboxylic acid.

The second invention relates to a method for immobilising volatile amines on a surface. The invention is characterized by coating a surface with a mixture of volatile amines and a carboxylic acid. The method is not particularly adapted for sampling by use of the sampling device according to claim 1. The only technical features common to the first and second invention are a mixture of amines and carboxylic acid and that this mixture forms a coating. These features can not be considered to define a contribution over the prior art. The special technical features of the second invention are not corresponding to the technical features of the first invention.

Information on patent family members

International application No. PCT/SE 00/01152

US	4381408 A	26/04/83	DE GB JP	3028324 A 2056304 A,B 56039461 A	09/04/81 18/03/81 15/04/81
US	5242836 A	07/09/93	DE EP	4114468 C 0512237 A	10/12/92 11/11/92
US	3533750 A	13/10/70	NONE		**********

Form PCT/ISA/210 (patent family annex) (July 1998)

PATENT COOPERATION TREATY

PCT

REC'D 1 0 OCT 2001

INTERNATIONAL PRELIMINARY EXAMINATION REPORTO

PCT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PC-2001489	FOR FURTHER ACT	THE DIN	ation of Transmittal of International Examination Report (Form PCT/IPEA/416)	
International application No.	International filing date (day/month/year) Priority date (day/month/year)		Priority date (day/month/year)	
PCT/SE00/01152			03.06.1999	
International Patent Classification (IPC) o	<u> </u>	od IDCa		
G01N 1/22, G01N 1/28	r national classification at	id IPC7		
GUIN 1/22, GUIN 1/28				
Applicant	<u>. </u>			
PROVTAGAREN AB et al				
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.				
2. This REPORT consists of a total of	of 3 sheets	, including this cover	sheet.	
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).				
These annexes consist of a total of sheets.				
3. This report contains indications relating to the following items:				
I Basis of the report				
II Priority				
III Non-establishment of	f opinion with regard to no	ovelty, inventive step	and industrial applicability	
IV Lack of unity of invention				
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
VI Certain documents ci	ited		ĺ	
VII Certain defects in the	international application		1	
VIII Certain observations	on the international applic	cation		
Date of submission of the demand		Data of aclati	Sthip papart	
Date of submission of the demand	• •	Date of completion of	or this report	
12.12.2000		27.09.2001		
Name and mailing address of the IPEA/SE Authorized officer				
Patent- och registreringsverket Box 5055				
S-102 42 STOCKHOLM	PATOREG-S	Ulla Granlı	· ·	
Facsimile No. 08-667 72 88		Telephone No. 08-	782 25 00	

Form PCT/IPEA/409 (cover sheet) (January 1998)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/SE00/01152

1. With regard to the elements of the international application:*	
the international application as originally filed	
the description:	
pages	, as originally filed
pages	, filed with the demand
pages, filed v	
the claims:	
pages	, as originally filed
pages, as ame	ended (together with any statement) under article 19
pages	, filed with the demand
pages, filed v	with the letter of
the drawings:) : II GI I
pages	, as originally filed
pages, filed v	, filed with the demand
	with the letter of
the sequence listing part of the description:	, as originally filed
	, filed with the demand
pages, filed v	with the letter of
the international application was filed, unless otherwise indicated under this ite These elements were available or furnished to this Authority in the following late the language of a translation furnished for the purposes of international the language of publication of the international application (under Rule 4 the language of the translation furnished for the purposes of international or 55.3). 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international examination was carried out on the basis of the sequence listing: contained in the international application in written form. filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. The statement that the subsequently furnished written sequence listing dinternational application as filed has been furnished. The statement that the information recorded in computer readable form been furnished.	search (under Rule 23.1(b)). 48.3(b)). If preliminary examination (under Rules 55.2 and/unternational application, the international application application). The international application applic
4. The amendments have resulted in the cancellation of: the description, pages the claims, Nos. the drawings, sheet/fig This report has been established as if (some of) the amendments had not beyond the disclosure as filed, as indicated in the Supplemental Box (Ru * Replacement sheets which have been furnished to the receiving Office in responsing this report as "originally filed" and are annexed to this report since they do and 70.17). ** Any replacement sheet containing such amendments must be referred to under	ale 70.2 (c)).** onse to an invitation under Article 14 are referred to o not contain amendments (Rules 70.16

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/SE00/01152

V.	Reasoned statement under Article 35(2) with regard t	novelty, inventive step	r industrial applicability;
	citations and explanati ns supporting such statement		

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	Statement

Novelty (N)	Claims Claims	1-22	YES NO
Inventive step (IS)	Claims Claims	1-22	YES NO
Industrial applicability (IA)	Claims Claims	1-22	YES NO

2. Citations and explanations (Rule 70.7)

Cited documents

1. US 4381408	(David P. Rounbehler et al)
2. US 5242836	(Alois Ruse)
3. SU 1724305	(Ukr Surface Chem Inst)
4. US 3533750	(Jon W. Belisle)

The documents cited in the International Search Report represents background art. The invention defined in claims 1-22 is not disclosed by any of these documents. None of the cited documents gives any indication towards the claimed sampling device, kit comprising a plurality of sampling devices, method for immobilizing amines or method for taking samples. No relevant combination of the cited documents would lead a person skilled in the art to the invention defined in the claims.

Therefore, the invention defined in claims 1--22 is novel and is considered to involve an inventive step. It is also considered to be industrially applicable.





(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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 DALENE, Marianne [NO/SE]; Stenåldersvägen 17, S-226 54 Lund (SE).
- (74) Agent: AWAPATENT AB; Box 5117, S-200 71 Malmö (SE).

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- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

- With international search report.
- Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SAMPLING DEVICE

(57) Abstract: A sampling device is described for analysis of a substance, which is selected from the group consisting of isocyanates, aminoisocyanates, isothiocyanates, amines and carboxylic acids and which is present in both gas and particle phase in an air flow intended to pass through the sampling device, which comprises a) an adsorption device (1) intended for the passage of the air flow and provided with a coating of a mixture of a reagent in the form of primary or secondary amines and a carboxylic acid for adsorption of and reaction with the substance in the gas phase of the air flow,b) a filter device (2) intended for the passage of the air flow and provided with the mixture of reagent and carboxylic acid for the adsorption of and reaction with the substance in the particle phase of the air flow, and c) a reagent container (4) containing the reagent, the reagent container (4) being connected to the adsorption device (1) and/or the filter device (2) by means of a switch device (5) for conveying the reagent to these for reaction therein with the non-reacted substance.

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